



JANUARY . . . Arrange for reorganization meeting. Prepare exhibits for the Provincial Seed Show.

FEBRUARY . . . See that Club application is in hands of Department specifying new seed requirements for current year, before the end of month. Get fanning mill in good order. Clean last year's seed crop to high grade seed.

MARCH Attend Seed Distribution Meeting. Send exhibits to Provincial Seed Show.

APRIL Treat seed against smut. Select a plot clear of weeds (summer fallow or breaking). Stop centre run of drill to provide path for roguing. Strive for Efficiency Prize.

MAY Cultivate plot borders. Plan for cleaner plot for next year. Order Plot Posters through Club Secretary. Attend Club meeting.

JUNE Further cultivation of plot borders. Erect Club posters if whole Club undertakes this project.

JULY Attend your field day meeting. Rogue your plot, removing all other grains and other varieties. Join tour visiting all plots in your Club. Efficiency Prize Trip for previous year's winner.

AUGUST Complete the roguing and trim borders before plots are to be judged.

SEPTEMBER . . Harvest the plot, taking great care that the seed is not mixed in cutting, threshing and storing. Select thirty to fifty sheaves from the field for your seed exhibit. Protect them from the weather to prevent bleaching of the grain.

OCTOBER Prepare your exhibit for the Club Seed Fair. Attend the Fair and bring this file with completed crop reports with you. Take part in grain judging competition. Strive for Efficiency Prize.

NOVEMBER . . Hold meeting for distribution of prize moneys.

DECEMBER . . . Prepare exhibits for Provincial Seed Show.



Preserve in this folder all Club correspondence, Club publications, and any newspaper clippings of special value.

"A GOOD NAME

is rather to be chosen than great riches"
 ————— *but with care you may have both* —————



INSTRUCTIONS FOR PRINTING YOUR NAME

The blocked-out background corresponds with the dots surrounding the space for your name on folder files and plot posters. Experiment first on separate paper until you have achieved a satisfactory model, properly balanced within the space. Allow ample spacing between names and initials. Open spaced letters such as A J L T V Y may be placed closer together than more compact letters. After outlining your name fill in the letters with water-proof India ink or with quick drying paint.

Save this alphabet in your folder file for future use.



MEMBER'S REPORT OF JUNIOR GRAIN CLUB PROJECT

(Name of Club) (Name of Member) (P.O. Address) 194
 (Quarter) (Year)
 Land Location: Section Township Range
 Project Variety Certificate No.
 (Wheat, Oats, Etc.) (If Any)
 Source of this Year's Seed
 Was Grain Treated? How?
 No. of Acres Sown Rate Per Acre Was Fertilizer Used?
 What Kind?
 Date Sown Date When Seedlings Appeared
 Sown on Summer Fallow, Breaking, Spring Plowing or Other Land
 Type of Soil in Your Plot
 How Was the Land Cultivated Before Sowing? (Describe Briefly)
 Did Your Crop Come Up Evenly? If Not, Why?
 Per Cent Damage From: Cutworm Sawfly Drought
 Hail Smut Frost
 Did Your Plot Become Weedy? Name the Weeds Appearing
 Did You Rogue the Plot? Did Crop Ripen Evenly?
 Did You Select an Even, Well Matured, Plump Sample in the Field for Your Seed Exhibit?
 Did You Protect It from the Weather? How?
 Did You Cap the Stooks? Record Any Damage While in the Stook
 What Use Will Be Made of the Seed Produced from Your 1940 Plot?
 (1) Date Plot Was Cut No. of Days from Seeding to Maturity
 (2) Date Threshed Total Bushels Yield Per Acre
 (3) How Many Years Have You Been a Club Member?
 (4) If You Have Been a Member Before this Year in this Project, State Total Number of Bushels Threshed on
 Your Farm Descending from Original Club Seed Since You Became a Member?
 (5) How Much of this Grain Was Sold for Seed Since You Became a Club Member?
 (6) State What Improvement Was Noted Over the Crop on the Rest of the Farm
 To What Do You Attribute this Improvement?
 (7) Remarks on Any Further Observations of Interest Regarding Your Plot or Other Club Work
 (8) What Suggestions Have You for Further Improvement in Any Phase of Grain Club Work?
 Did You (1) Accompany Tour of Plots? (2) Erect Plot Poster?
 (3) Present Folder File at Seed Fair?

Signed
(Name of Club Member)

If you require more space for answers, use back of this sheet. Bring this completed report in duplicate with your folder file to your seed fair. Otherwise send one copy before Dec. first to: Supervisor Junior Grain Clubs, Department of Agriculture, Edmonton.

Questions for Junior Grain Club Work

1. What are the principal purposes of Field Crop Clubs in Alberta?
2. State some of the important lessons you have learned from your Club work.
3. What has your Club accomplished since organization?
4. What suggestions would you have to increase the value of your Club?
5. What influence do you think your Club work will have on the use of better seed in your district?
6. In selecting the land for the growing of a seed crop, what precautions are necessary to keep the crop from becoming mixed?
7. In the preparation of the land and the seeding of the seed crop, what precautions are necessary to prevent mixing?
8. What precautions are necessary in the harvesting, threshing and storing of the seed crop to keep it pure?
9. Why is it desirable to keep a seed crop pure?
10. At what stage of maturity should a crop be cut to make the best seed? How can the proper stage of maturity be recognized in wheat, in oats and in barley?
11. Describe a good seed bed. How would you proceed to make a good seed bed from stubble land?
12. What are the advantages and disadvantages of a summer fallow?
13. How would you proceed to make a good summer fallow?
14. What fertilizers are used in Alberta, and why are they used? What effect has available nitrogen on plant growth? Also phosphorus?
15. Describe the best method of applying super-phosphate for a grain crop, stating how much is used per acre?
16. What value have legumes in a rotation?
17. Suggest a crop rotation for your farm.
18. Should the soil on your farm commence to drift, what measures would you take to prevent it?
19. Distinguish between the terms "variety" of grain and "kind" of grain.
20. What is meant by each of the following: (a) Cereal crop; (b) Legume crop; (c) Forage or Fodder crop?
21. Name five varieties (a) Wheat; (b) Oats; (c) Barley.
22. How can you distinguish Marquis from Red Bobs when growing in the field?
23. Compare Victory and Legacy as to characteristics and value.
24. What points are considered by your elevator agent in grading a sample of (a) Wheat; (b) Oats?
25. What qualities does a farmer look for in the varieties of grain that do not concern the miller?
26. Name two types of barley and two varieties in each type.
27. What is meant by registered seed, and why should it be used?
28. What is the difference between "Registered" and "Certified" seed?
29. Where can the seed be graded? What does the law require before the seed is advertised for sale?
30. What are the factors considered by a seed inspector in grading a sample of seed?
31. How would you proceed to prepare samples of wheat, oats and barley for exhibition?
32. What variety of wheat, oats and barley is most suitable for your farm? State reasons.
33. What is the most common disease affecting the seed of cereal grains? How would you control it?
34. Describe the process of treating against Stinking Smut in wheat.
35. What precautions may be taken on the farm to insure against Loose Smut? How would you treat grain for it?
36. What is meant by (a) Annual Weeds; (b) Biennial Weeds; (c) Perennial Weeds; (d) Winter Annual? Name a few examples of each.
37. Because of the different habits of weeds in each of the above classes, show how general control measures differ in each class.
38. Name four of the worst weeds in Alberta, and state why you consider each of these so objectionable.
39. Name three of the most serious insect pests affecting grain crops in Alberta.
40. What part does clean seed play in the control of weeds?
41. What are some of the best known machines for the cleaning of seed? What difference is there between cleaning grain and grading grain?
42. What are the chief factors in getting a good stand of grasses or clovers?
43. What is the purpose of inoculating legume seed?
44. What are the chief factors contributing to cheap production of wheat?
45. What is meant by useless impurity in wheat, oats or barley?
46. How would you determine whether a sample of wheat was pure as to variety?
47. How do you determine smut in wheat?
48. What advantage is to be gained from uniform size of kernels in grain for seed purposes?
49. Which of the three, wheat, oats or malting barley, is most damaged for commercial purposes by the germs being dead? Why?
50. What would you do, in judging at a Seed Fair, with a sample of oats containing Wild Oats? Why?
51. Would you consider the percentage of hull very important in seed oats?
52. How would you detect frost in wheat, oats, barley and rye?



Agricultural Publications Available

The publications listed below are available without charge from
AGRICULTURAL EXTENSION SERVICE
Department of Agriculture
Edmonton, Alberta

- Bulletin 1. Turkey Production in Alberta.
Circular 2. Equine Encephalomyelitis.
Circular 5. Tentative Suggestions for the Use of Fertilizer in Alberta.
Circular 7. Creeping Red Fescue.
*Bulletin 8. Preservation of Fruit, Vegetables and Meats.
Bulletin 9. Planning and Beautifying the Home Grounds.
Bulletin 10. The Production of High Quality Cream.
Bulletin 11. Planting Deciduous Trees and Shrubs.
Bulletin 12. Planting Evergreens.
Circular 13. Swine Parasites.
Circular 14. Eradicate the Warble Fly.
Circular 15. Care and Management of the Brood Mare During Gestation Period.
*Bulletin 16. Home Decoration.
*Bulletin 17. The Value and Use of Milk.
*Bulletin 18. Meat Cookery.
*Bulletin 19. Variety in the Use of Vegetables.
Circular 20. The Prevention of Anaemia in Suckling Pigs.
Leaflet 21. Melilot Taint.
Bulletin 22. Potato Production in Alberta.
Circular 24. Seeding Forage Crops.
Leaflet 25. Pullorum Disease in Chicks.
Leaflet 26. Poultry Feeding Formulae.
Leaflet 27. Poultry Farm Sanitation.
Leaflet 28. Tuberculosis of Poultry.
Leaflet 29. External Parasites of Poultry.
Leaflet 30. Internal Parasites of Poultry.
Leaflet 31. Coccidiosis (Poultry).
Leaflet 32. Respiratory Diseases of Poultry.
Bulletin 33. Four Bad Weeds.
Circular 34. Suggestions for Storing Grain Crops on the Farm.
Bulletin 35. Beekeeping for Beginners in Alberta.
Leaflet 36. Disorders of the Cloaca and Vent (Poultry).
Leaflet 37. Fowl Paralysis and Leukemia.
*Publications for women.
- Leaflet 38. Construction of Sod Poultry House.
Leaflet 39. Production of Quality Market Eggs.
Circular 40. Flax Production in Alberta.
Circular 41. Grain Mites.
Circular 42. Control of Garden Pests in Alberta.
Leaflets 43. to 52. Special Weed Leaflets—Hoary Cress, Leafy Spurge, Quack Grass, Wild Mustard, Wild Oats, Canada Thistle, Field Bindweed, Sow Thistle, Toad Flax, Night Flowering Catchfly.
Bulletin 53. Dressing and Curing Pork on the Farm.
Leaflet 54. Poultry Catching Crate.
Bulletin 55. The Dairy Herd—Care and Management.
Leaflet 56. Brooding and Rearing of Chicks and Poults.
*Bulletin 57. The Salad Bowl.
Bulletin 58. Wintering Bees in Alberta.
Bulletin 59. The Weed Problem in Alberta.
*Circular 60. Spotlights on the School Lunch.
Leaflet 61. Poultry Prepared on the Farm for Marketing.
*Honey Helpings.
*Use Honey for Canning and Preserving.
Booklet. Weeds of Alberta.
Circular. Brooding and Rearing Chicks.
Leaflet. Seeding Crested Wheat Grass in the Fall.

Plans of Each of the following:

- Hog Pen, Danish Plan.
Small Farrowing or General Hog Pen.
Hog Barn with Combined Brooder House.
Self-Feeder for Grain.
Open Range Poultry House.
Poultry Brooder House.
Single and Double Deck Poultry House.
Hog Weigher.
Oat Hull Sifter.
Self-Feeder for Cattle.
Self-Feeding House for Hogs.
Hog Brooder House.
Converting Granary to Self-Feeder for Hogs.

- Joint Publications: 1. Wheat for Swine in Alberta.
2. Budding and Grafting.

The publications listed below are published and distributed by the Department of Extension, University of Alberta. They may be obtained upon application, at the price indicated. Please forward your request with the necessary remittance to the Department of Extension, University of Alberta, Edmonton.

Bulletin		Price	Leaflet		(All Leaflets at 5c per copy)
No.			No.		
6.	Plows and Plowing (revised June, 1939)	\$.10	2.	Cultural Methods for Growing Timothy in Alberta (1940).	
9.	Ropework for the Farm (revised May, 1940)	.10	3.	Cultural Methods for Growing Alsike Clover in Alberta (revised 1939).	
10.	Binder and Knotter Troubles (revised, 1936)	.10	4.	Cultural Methods for Growing Red Clover in Alberta (revised, 1939).	
17.	Some Power Problems on the Farm (revised, 1938)	.10	6.	Application of Poisoned Dusts (1937).	
19.	Sheep Production in Alberta (revised, 1939)	.10	6a.	Contact Insecticides (1937).	
20.	Soil Survey Report of St. Ann Sheet (1930)	no chg.	9.	Care and Feeding of Chicks (mimeo.).	
21.	Wooded Soils and their Management (revised, 1941)	.15	10.	Cultural Methods for Growing Alfalfa in Alberta (revised, 1939).	
22.	Swine Production in Alberta (revised, 1941)	.20	11.	Cultural Methods for Growing Sweet Clover in Alberta (reprinted, 1940).	
27.	Gladiolus Culture (1937)	.10	13.	Relative Value of Chemical Dusts and Formaldehyde for the Treatment of Seed Grain (revised, 1935).	
28.	Soil Survey Report of Rainy Hills Sheet (1937)	no chg.	15.	Ant Control (1936).	
29.	Trees and Shrubs (1938)	.25	16.	Crested Wheat Grass (reprinted, 1939).	
30.	The Production and Quality of Cereal Crops in the Park and Wooded Areas of Alberta (1938)	.10	18.	Summer Care of Pullets.	
31.	Soil Survey Report of Sullivan Lake Sheet (1938)	no chg.	19.	Methods for Controlling Insect Pests in the Home (revised, 1940).	
32.	Soil Survey Report of Lethbridge and Pincher Creek Sheets (1939)	no chg.	21.	Treatment of Miscellaneous Seeds—peas, beets, corn (1939).	
33.	Hotbeds, Coldframes and Small Greenhouses (1940)	.10	22.	The Forest Tent Caterpillar (1940).	
35.	Celery in Alberta (1940)	.10			
36.	Soil Survey of Milk River Sheet (1941)	no chg.			
37.	The Quality of Alberta Grown Wheat (1941)	no chg.			
38.	Sweet Corn in Alberta (1941)	.15			
Circular		(All Circulars at 10c per Copy)	Free of Charge:		
No.					
5.	Treatment of Seed Grain (revised, 1939).		Surveys as above and No. 37.		
8.	Alfalfa in Alberta (1930).		Weeds and Their Control, No. 27.		
9.	Diseases of Poultry (revised, 1941).		Wheat for Swine in Alberta (Joint Series No. 1, 1941).		
12.	The Origin of the Principle Underlying Elite Stock Seed Production of Cereal Crops (1931).		Horticulture (Small Fruits, Vegetables).		
22.	Selecting, Fitting and Showing Beef Cattle (1938).		Tanning Skins and Hides for Leather.		
23.	The Use of Fertilizers in Alberta (1939).		Directions for Collecting Flowering Plants.		

A "List of Publications" of the Department of Agriculture, Ottawa,
may be obtained by writing to

PUBLICITY AND EXTENSION DIVISION
Department of Agriculture, Ottawa.

